



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Swarn S. Kalsi et al. ✓  
 Serial No. : 09/905,611 ✓  
 Filed : July 13, 2001 ✓  
 Title : ENHANCEMENT OF STATOR LEAKAGE INDUCTANCE IN AIR-CORE  
 MACHINES ✓

Art Unit : 2834 ✓  
 Examiner : D. Le ✓

Commissioner for Patents  
 Washington, D.C. 20231

RESPONSE

In response to the action mailed November 26, 2002, please amend the application as follows:

In the claims:

Please cancel claims 1-14, and 21-38

Please add claims 82-87.

82. A method of maintaining a desired level of sub-transient reactance in a superconducting machine comprising:

specifying a desired level of sub-transient reactance;

producing a stator assembly including at least one stator coil assembly having a first predefined length;

producing a rotor assembly configured to rotate within the stator assembly; and positioning an asynchronous field filtering shield, having a second predefined length that is less than said first predefined length, between the stator assembly and the rotor assembly;

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

3-26-03

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